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# DMC-FS16
Digital Camera

- 28mm Wide-angle 4x Optical Zoom LEICA DC Lens
- MEGA O.I.S. (Optical Image Stabilizer) for suppressing hand-shake blur
- iA (Intelligent Auto) Mode with Intelligent Scene Selector
- HD Movie Recording (1,280 x 720 pixels at 30 fps in Motion JPEG Format)
- 5x Intelligent Zoom with Intelligent Resolution Technology
- LUMIX Image Uploader
- LUMIX Compact Digital Camera

Compact Digital Camera FS16 - 28mm Wide-angle 4x Optical Zoom LEICA DC Lens in a Compact Body

## Metrics

| | |
|---|---|
| **Dimensions (W x H x D)** | 94.3 x 53.5 x 18.8 mm<br>(3.7 x 2.1 x 0.7 in) |
| **Weight** | Approx. 118g with Battery and SD Memory Card (0.26 lb)<br>Approx. 101g without Battery and SD Memory Card (0.22 lb) |

## Optics

| | |
|---|---|
| **Camera Effective Pixels** | 14.1 Megapixels |
| **Sensor Size / Total Pixels / Filter** | 1/2.33-type / 14.5 Total Megapixels / Primary Color Filter |
| **Aperture** | F3.1 - 6.5 / 2-Step (F3.1 - 9.0 (W) / F6.5 - 20 (T)) |
| **Optical Zoom** | 4x |
| **Focal Length** | f=5-25mm (28-112mm in 35mm equiv.) |
| **Extra Optical Zoom (EZ)** | 4.7x (4:3 / 10M), 6.8x (4:3 / 5M), 8.4x(4:3 / under 3M) |
| **Intelligent Zoom** | 5x |
| **Lens** | LEICA DC VARIO-ELMAR<br>6 elements in 5 groups<br>(3 Aspherical Lenses / 6 Aspherical surfaces) |
| **Optical Image Stabilizer** | MEGA O.I.S. (Off / On) |
| **Digital Zoom** | 4x<br>( Max. 16.0 x combined with Optical Zoom without Extra Optical Zoom )<br>(Max. 33.8 x combined with Extra Optical Zoom) |
| **Focusing Area** | Normal: Wide 50 cm - infinity / Tele 100 cm - infinity |

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| | |
|---|---|
| | Macro / Intelligent AUTO / Motion Picture : Wide 5 cm - infinity / Tele 100cm - infinity |
| **Focus Range Display** | Yes |
| **AF Assist Lamp** | Yes |
| **Focus** | Normal / Macro, Zoom Macro, Quick AF (Always On), AF Tracking |
| **AF Metering** | Face / AF Tracking / 11pt / 1pt |
| **Shutter Speed** | Still: approx. 8 - 1/1600 sec<br>Starry Sky Mode : 15, 30, 60sec. |
| **Shutter Interval** | approx. 0.9 sec |

## Recording

| | |
|---|---|
| **Optical Image Stabilizer** | Photo / Movie |
| **Intelligent ISO Control** | Photo |
| **Face Detection** | Photo |
| **Intelligent Scene Selector** | Photo (Portrait, Scenery, Night Portrait, Night Scenery, Sunset, Macro) |
| **Intelligent Exposure** | Photo / Movie |
| **AF Tracking** | Photo |
| **Digital Red Eye Correction (Red-Eye Removal)** | Photo |
| **iA Direct Button** | - |
| **Intelligent Resolution Technology** | Photo |
| **File Format** | Still Image: JPEG(DCF/Exif2.3)<br>Motion picture: QuickTime Motion JPEG |
| **Mode Switch** | [Recording] / [Playback] |
| **Mode Dial / Mode Button** | Intelligent AUTO, Normal Picture, SCN, My SCN, Motion Picture |
| **Still Image Scene Mode** | Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2,<br>Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pin Hole, Film Grain, High Dynamic(Standard, Art, B&W), Photo Frame |
| **Continuous Shooting Mode** | High-speed Burst Mode: approx. 5.5 frames/sec (image priority)<br>(recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9) |
| **Unlimited consecutive shooting** | 1.5 frames/sec |
| **Motion Picture Recording** | [4:3] VGA: 640 x 480 pixels, 30fps (Motion JPEG) QVGA: 320 x 240 pixels, 30 fps (Motion JPEG)<br>[HD Movie(16:9)]1280x720 pixels, 30fps (Motion JPEG) |
| **Exposure** | Program AE |
| **Exposure Compensation** | 1/3 EV step, +/-2 EV |
| **Backlight Compensation** | Yes (only in Intelligent AUTO mode) |
| **Light Metering** | Intelligent Multiple |
| **ISO Sensitivity** | I.ISO / 100 / 200 / 400 / 800 / 1600<br>High Sensitivity mode (ISO 1600-6400) |
| **Aspect Ratio** | 4:3 / 3:2 / 16:9 |
| **Still Picture Recording** | [4:3] 4320x3240 (14M) / 3648x2736(10M EZ) / 2560x1920(5M EZ) / 2048x1536(3M EZ) / 640x480(0.3M EZ) |

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|---|---|
| | [3:2] 4320 x 2880 (12.5M)<br>[16:9] 4320 x 2432 (10.5M) |
| **White Balance** | Auto / Daylight / Cloudy / Shade / Incandescent / White Set<br>(Selectable at Portrait, Soft Skin, Transform, Self-Portrait, Sports, Baby, Pet, High Sensitivity, Highspeed Burst, Pin Hole, Photo Frame, High Dynamic) |
| **Quick Menu** | Yes |
| **Color Mode / Color Effect** | Standard, Vivid, Natural, Black & White, Sepia, Cool, Warm, Happy (only in iA Mode) |
| **Composition Guide line** | Yes (1 pattern) |
| **Auto Review** | 1sec, 2sec, Hold, Off |
| **Easy Zoom / Zoom Resume** | No / No |
| **Macro Zoom** | Yes |
| **Orientation Detector** | Yes |
| **Scene Mode Help Screen** | Yes |
| **Self Timer** | 2sec / 10sec |
| **Focus Icon Select** | Yes |

## Playback

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|---|---|
| **Playback Mode** | Normal Playback, Slideshow, Filtering Playback(Category Playback), Calendar Playback |
| **Thumbnails / Zoomed Playback** | 12,30-thumbnails / Max. 16x |
| **Calendar Display / Dual-Image Playback** | Yes / No |
| **Set Favorites / Rotate Image** | Yes / No |
| **Playback Motion Picture** | Yes |
| **Slideshow Mode** | All / Category / Favorites<br>BGM Effect (Natural / Slow / Swing / Urban / OFF) |
| **Delete Image** | Single / Multi / All / All except Favorites |
| **DPOF Print Setting / Set Protection** | Yes / Yes |
| **Copy / Title Edit / Text Stamp** | Yes / No / Yes |
| **PictBridge Support** | Single / Multi / All / Favorites / DPOF |

## Setup

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|---|---|
| **OSD language** | Japanese, English, German, French, Italian, Spanish |
| **Travel Date / World Time** | Yes / Yes |

## Others

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|---|---|
| **LUMIX Image Uploader** | Yes |
| **LCD Monitor** | 6.7cm (2.7") TFT Screen LCD Display (230K dots)<br>Field of View : approx. 100%<br>Power LCD mode, AUTO Power LCD mode, High Angle mode |
| **Built-in-Flash** | Auto, Auto/Red-eye Reduction, Slow Sync./Red-eye Reduction, Forced On, Forced Off<br>0.4 - 3.3m (Wide/I.ISO), 1.0 - 1.6m (Tele/I.ISO) |
| **Recording Media** | |

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|---|---|
| | Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card |
| **Built-in-Memory** | approx. 70MB |
| **Microphone / Speaker** | Mono / Yes |
| **Interface** | AV Output (PAL), USB2.0 High speed |
| **Power** | Li-ion Battery Pack (3.6V, Minimum: 660mAh) (Included) |
| **Battery life (approx.)** | 270 pictures (CIPA Standard)*1 |
| **Included Software** | PHOTOfunSTUDIO 6.0<br>QuickTime<br>Adobe Reader |
| **Standard Accessories** | Battery Charger, Battery Pack, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM |
| **NOTE** | *1 Motion pictures can be recorded continuously for up to 15 minutes in European PAL area. |